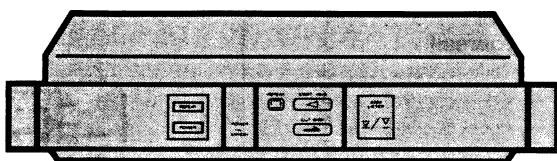


AKAI

Konnection-Ex

FULL AUTOMATIC PLAYER

AP-M719



Operator's Manual **5**

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This is the Akai Full Automatic Player

This Akai fully automatic player will provide excellent sound reproduction and years of reliable operation. Use it in combination with other components of the midi series, and you will have an excellent Hi-Fi system.

Features


- DC servo motor and belt drive system
- Linear tracking tone arm system (See page 8)
- High tracability VM type  plug-in type cartridge (See page 8)
- Auto lift-up system for power failure
- Micro computer controlled fully automatic system
- Repeat function (See page 6)
- Front operation design
- Low resonant cabinet

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WARNING

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

Power requirements

Power requirements for electrical equipment differ from area to area. Please ensure that your machine meets the power requirements in your area.

If in doubt, consult a qualified electrician.

120 V, 60 Hz for USA and Canada

220 V, 50 Hz for Europe except UK

240 V, 50 Hz for UK and Australia

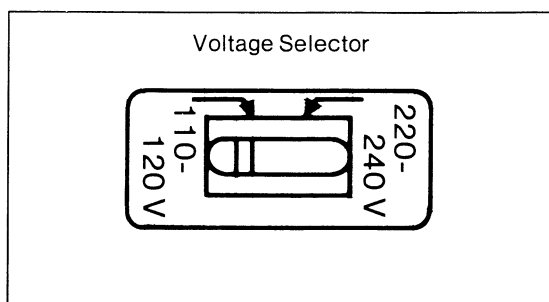
110—120 V/220—240 V, 50/60 Hz convertible for other countries.

Voltage conversion (Not on all models)

Models for Canada, USA, Europe, UK and Australia are not equipped with this facility. Each machine is preset at the factory according to its destination, but some machines can be set to 110—120 V or 220—240 V as required.

If your machine's voltage can be converted:

Before connecting the power cord or assembling the platter, if the proper voltage for your area is not shown, turn the VOLTAGE SELECTOR located on the top of the cabinet with a screwdriver so that the correct voltage is indicated.



This equipment conforms to No. 82/499 EEC standards.

What you should know to protect yourself

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Watch out! You might get an electric shock.

- Never touch the plug with wet hands.
- Always pull out by the plug and never the cord.
- Only let a qualified professional repair or disassemble the Akai turntable. An unauthorized person might touch the internal parts and receive a serious electric shock.
- Never allow a child to put anything, especially metal, into the Akai turntable.

Let's protect the Akai Turntable too.

- Use only a household AC power source. Never use a DC power source.
- If water is spilled on the Akai turntable, disconnect it and call your dealer.
- Make sure that the Akai turntable is well ventilated and away from direct sunlight.
- To avoid damage to the internal circuits and the external surface, keep away from heat (stoves, etc.).
- Avoid using spray type insecticide near the Akai turntable. It can damage the finish and might ignite suddenly.
- To avoid damaging the finish, never use denatured alcohol, paint thinner or other similar chemicals to clean the Akai turntable.
- Place the Akai turntable on a flat and solid surface.
- To protect the insulators, always lift the Akai turntable when you move it.
- When transporting the Akai turntable over a long distance, place it in its original box wrapped in its protective wrappers.

To enjoy the Akai turntable for a long time, please read this operator's manual thoroughly.

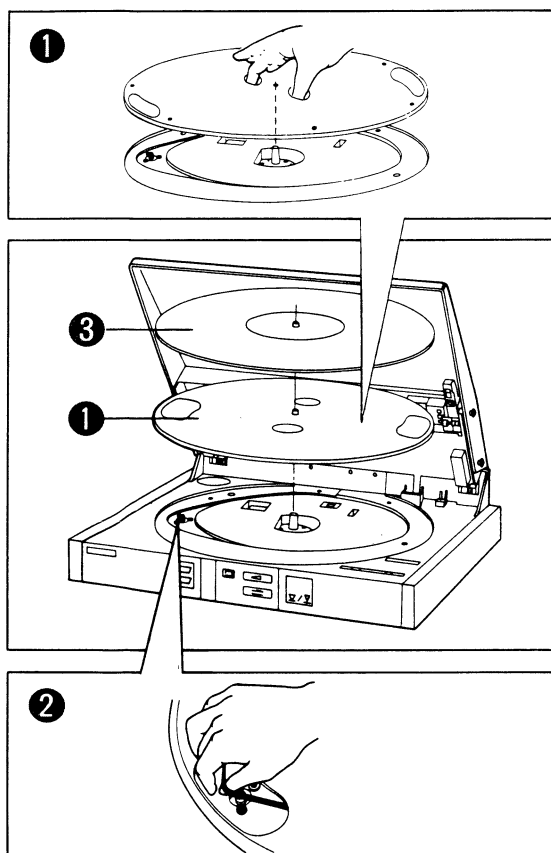
Note: The Akai turntable is not equipped with a power switch. To turn off the Akai turntable completely, disconnect the power plug from its power supply.

Turntable set-up

3 Before beginning

- Remove the parts from the carton.
- Remove the packing materials and open the dust cover.

Make sure to remove the protective sheet attached on the bottom of the turntable before using.



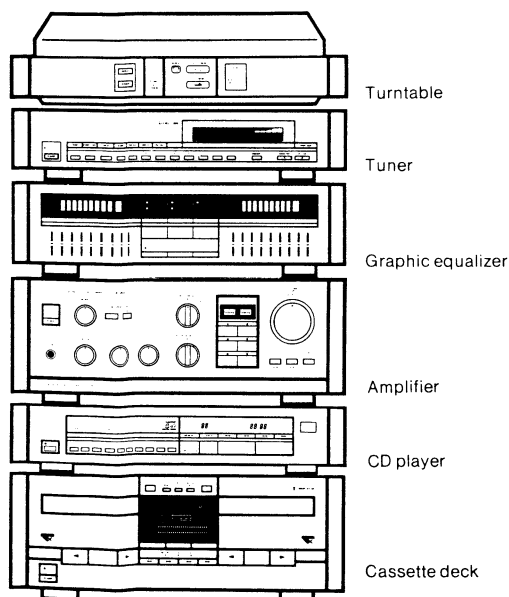
- 1 Holding the metal platter by its center holes, place it over the turntable so that the small center spindle hole drops over the spindle. Rotate the platter until one of the platter's outer openings is over the pulley. (As illustrated.)
- 2 Gently stretch the drive belt which is wrapped around the platter and extend it around the pulley. Rotate the platter 3 or 4 times slowly, in order to gently stretch the drive belt.
- 3 Place the rubber mat on the platter, shiny side down.

Notes

- Attach the provided finger lever to the left or right corner of the dust cover for convenience when opening or closing it.
- Keep the plastic 45 rpm adaptor on the adaptor holder for use when you want to listen to your favorite hit singles.

Placement

Place the Akai turntable top of the other Akai components as shown in the following illustration:

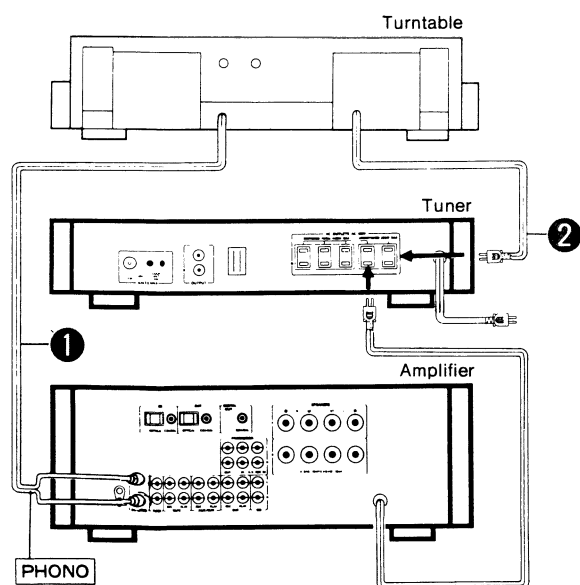
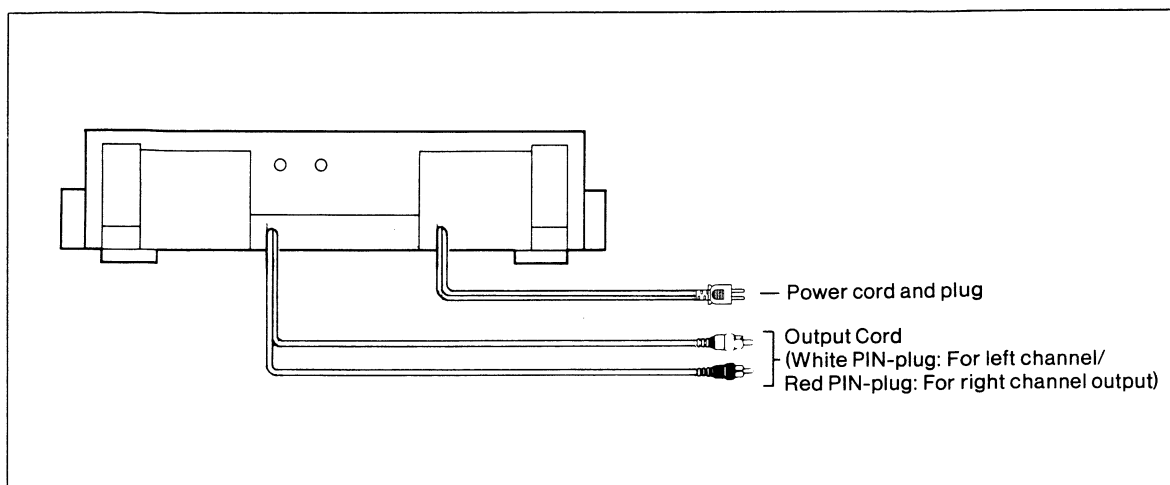


Making the right connections

- Turn off all the components before connecting.
- Connect the power cord last.
- Make sure that you connect the white PIN-plugs to the left (white) jacks and the red PIN-plugs to the right (red) jacks.

- Connect everything securely. Loose connections can cause distortion.
- To prevent damage to the cords, connect and disconnect by holding the plug, not the cord.

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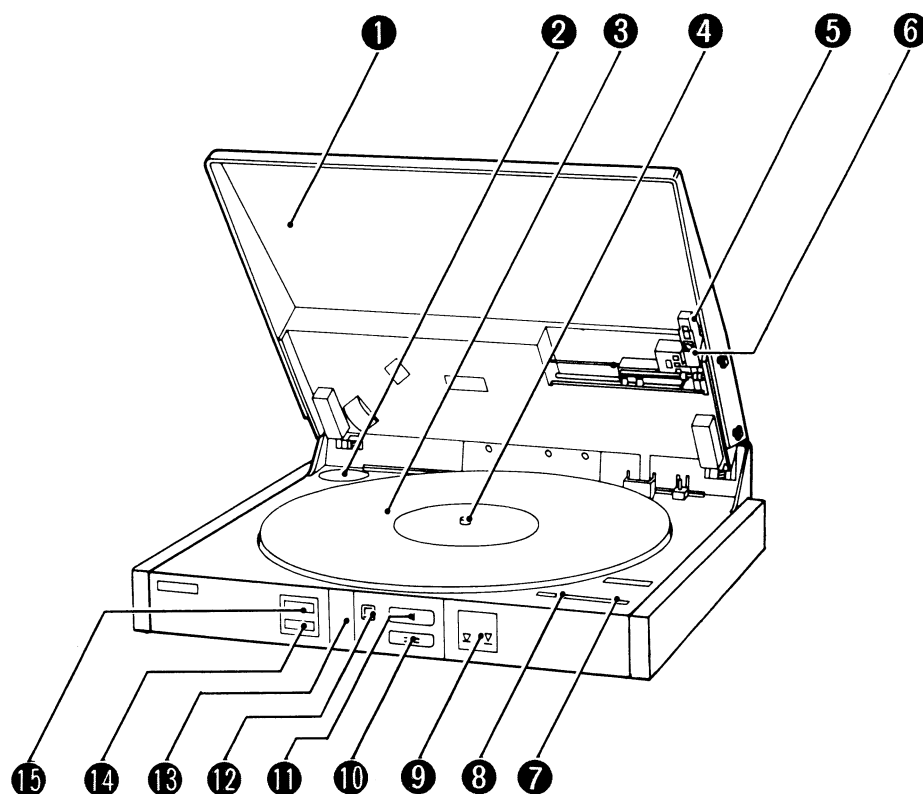


- 1 Output cord connection**
Connect the output cord to the PHONO jacks of the Akai amplifier.

After you have connected everything

- 2 Power cord connection**
Connect the power cord to the optional Akai Amplifier's AC OUTLETS, Tuner/Timer's AC OUTLETS or directly connect to a household AC outlet.

Controls



- | | |
|--|---|
| <p>1 Dust Cover</p> <p>2 45 rpm adaptor holder
For use with the 45 rpm adaptor.</p> <p>3 Platter and rubber mat</p> <p>4 Spindle</p> <p>5 Cartridge</p> <p>6 Linear tracking tone arm
Holds the cartridge at the correct position.</p> <p>7 SPEED 45/33 selector
To set the record playback speed.</p> <p>8 SIZE 17/30 selector
To set the record size.</p> <p>9 ARMLIFTER (↕/↕) button
Manually raises and lowers the tone arm.</p> <p>10 CUT/▶▶ (≡) Arm Backward button
Stops playback and moves the tone arm manually backward.</p> | <p>11 START/◀◀ (◁) Arm Forward button
Starts auto play and moves the tone arm manually forward.</p> <p>12 REPEAT (◻) button
Repeatedly plays the entire record 15 times.</p> <p>13 POWER ON/STANDBY switch
To turn on and off the power.
* This switch does not completely switch off the power. If you want to completely turn off the Akai turntable, disconnect the power cord from the timer or the household AC outlet.</p> <p>14 POWER indicator
Indicates that the POWER ON/STANDBY switch is turned ON. The POWER indicator flashes when the tonearm is moving, during Manual Playback.</p> <p>15 REPEAT indicator
Indicates the repeat playback is engaged.</p> |
|--|---|

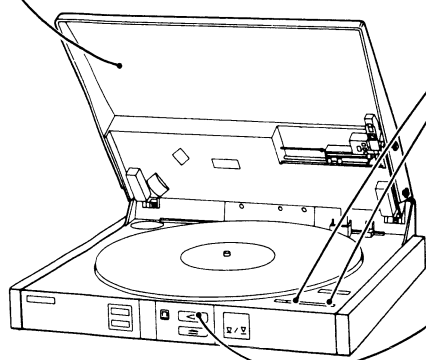
Let's play back a record with the fully automatic system

6

Before operation

- Make certain all the components are properly connected and the Akai amplifier is turned ON.
- Set the amplifier's Input selector to PHONO.
- Remove the stylus guard.
- Use the provided 45 rpm adaptor when playing back 17 cm records. (Provided the center hole is a large type).

- 1 Open the dust cover and place the record on the platter.



- 2 Set the SPEED and the SIZE selector according to the record.

Setting the SPEED selector

33-1/3 rpm record Set to 33.

45 rpm record Set to 45.

Setting the SIZE selector

30 cm record Set to the 30.

17 cm record Set to the 17.

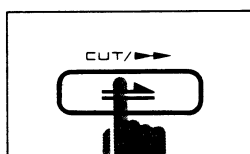
- 3 Press the ◀ button to start record playback. At the end of the record, the tone arm will automatically return to the tone arm rest position and the platter will stop rotating.

Regarding the auto return system

The auto return system is set to return the tone arm at a specific point on the record. There should be no problem with regular sized records, but with some record types which contain music grooves past this set point, playback will be interrupted.

To stop playback before the end of a record

Press the ➡ button.



To repeatedly play back a record

Press the ◻ button. The REPEAT indicator will light.

When pressing the ◻ button before playback of a record, the Akai turntable will playback the record 16 times.

When pressing the ◻ button during playback of a record, the Akai turntable will playback the record 15 times.

The REPEAT indicator will go off when playback stops after the 15 or 16 times.



To cancel the repeat function

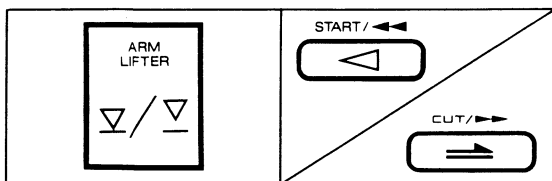
Press the ◻ button once. The REPEAT indicator will go off and the auto repeat system will be cancelled.

Notes for the auto repeat system

- The auto repeat system will be cancelled by pressing the ➡ button.
- During auto repeat playback, you can select the selections you want to listen to.
- The auto repeat system cannot be used during manual playback. Make sure to use the auto repeat system during automatic playback.

7 Music selection during record playback

- 1 Press the ▽ / ▽ button to raise the tone arm.
 - 2 Keep the ◀ or the ➡ button depressed until you reach the track you want to playback.
 - 3 Press the ▽ / ▽ button to lower the tone arm and resume record playback.
- * The tone arm can also be raised and moved by depressing the ◀ or ➡ button.

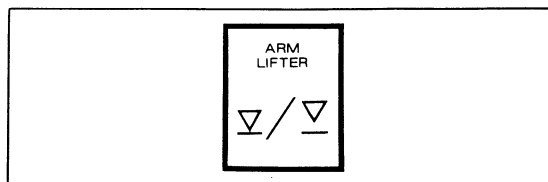


To temporarily stop playback

Press the ▽ / ▽ button. The tone arm will rise and the platter will continue rotating.

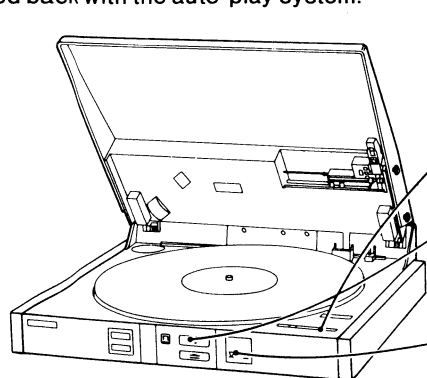
To resume playback

Press the ▽ / ▽ button once again.



Manual Playback

This operation is for playback of individual tracks or irregular sized records which cannot be played back with the auto-play system.



- 1 Set the SPEED selector.
33-1/3 rpm record Set to 33.
45 rpm record Set to 45.
- 2 Keep the ◀ button depressed until you reach the track you want to play back. The POWER indicator will flash on and off while the tone arm moves.
If you want to return the tone arm to the outer side of the record, keep the ➡ button depressed.
- 3 Press the ▽ / ▽ button to start playback.
The indicator stays lit when playback begins.

The parts of the Akai turntable

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Dustcover

A linear tracking tone arm and a record detector are built into the dust cover of the Akai turntable. Therefore, if you open the dust cover while a record is playing, the tone arm will automatically return to the standby position. (Opening the cover of the turntable during playback is not recommended.) The microcomputer controlled auto system can in this way detect the presence and size of a record and lower itself into the correct position.

The linear tracking tone arm

The Akai turntable has a linear tracking tone arm. The linear tracking tone arm moves across the record in a straight line towards the center of the record, just like the cutter head, which cuts the grooves in the record. The linear tracking tone arm is driven by an accurate optical sensor and a special servo circuit. Consequently, the cartridge is always positioned directly over the grooves, thus tracking error, and inside force (force which draws the tone arm in towards the center of the record) are almost nil. The cartridge can thus perform at its full capability. Also, because the tone arm is a static balanced type, it can trace the record accurately, even when the Akai turntable is positioned at a slight angle.

Cautionary Notes

Please do not turn off the power under the following circumstances.

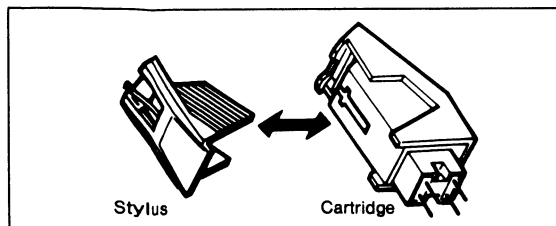
- While playing a record.
- While the tone arm is moving under automatic control.
- * When playing records whose sound grooves come closer to the center than is normal, the auto return function will operate, making it impossible to play the entire record. This is an inherent characteristic of the design, and is not a malfunction.

Replacing the stylus

The attached stylus should be changed after approximately 400 hours of use. Grasp the cartridge firmly with one hand, and gently pull the stylus free from the cartridge with your other hand. Replace the stylus with the Akai stylus RS-33 (optional).

Your turntable comes equipped with Akai model PC-35 **(TP)** plug-in type, VM moving magnet cartridge.

Before attempting to use the turntable, be certain to remove the protective plastic covering from the cartridge. Gently grip both the tone arm and the plastic covering and pull forward, as illustrated.



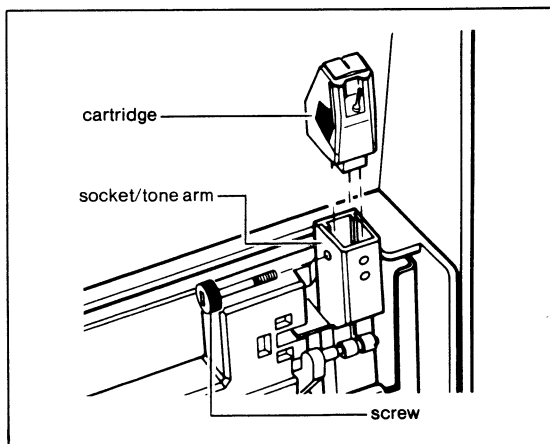
Attaching a (**(TP)**) type plug-in cartridge

- 1 Make certain that the tone arm is in the arm rest position and the power of the turntable is switched off.
Using a screwdriver, remove the small screw which is located directly behind the cartridge, on the side of the tone arm.
- 2 After removing the screw, grasp the cartridge and tone arm firmly and pull the cartridge forward, away from the tone arm, until it is free.
- 3 Install the new cartridge by reversing the above operation.

In order to enjoy the full capability of the Akai turntable, please note the following when changing the cartridge.

- You may want to replace the cartridge once per year to maintain a high level of performance or to upgrade your turntable.
- Replace the cartridge with one which has an output voltage of approximately 2.5 mV.
- **(TP)** is the standard mark for plug-in cartridges. Cartridges with this mark are interchangeable. The Akai turntable is equipped with a high quality VM moving magnet cartridge, but any cartridge with the **(TP)** mark can be used.

The Akai turntable cannot use a MC (Moving Coil) type cartridge.



How to adjust the lead-in position of the tone arm

Adjust it if the tone arm will not lower the stylus accurately onto the beginning of the record groove (lead-in groove).

The lead-in adjustment screw is located on the rear panel, as illustrated.

Please follow the procedure below.

Note:

Make sure that the dust cover of the turntable is closed before you attempt to adjust the tone arm.

How to adjust

Use a 30 cm record (LP).

1 Auto play the record and confirm where the tone arm descends.

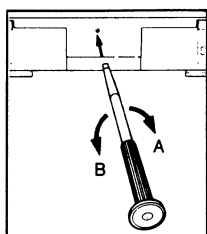
2 Turn the Lead-in adjustment screw with a flat blade screw driver.

* Turn the driver slowly for accuracy.

Turn clockwise (A): to set towards the outside.

Turn counterclockwise (B): to set towards the inside.

* Confirm the position after each adjustment.



Useful facts about using the Akai turntable

- **Be careful where you place your turntable**
Keep the turntable away from the television, speaker system, amplifier's transformer or any equipment which generates signals or vibrations that can be picked up by the stylus.
- **Keep the records and the stylus clean**
Dirty records and stylus will lead to distortion and make the stylus jump. Therefore, regularly clean the records and the stylus with the optional accessory Cleaning Kit CK-600.
- **Don't bump your turntable**
This can make the stylus jump, leading to damage of the stylus and the record.
- **Let's protect the records**
Do not touch the grooves when handling the record. Dirty grooves will produce distortions. Store records standing in a well ventilated place, relatively free of dust.
- **Don't interrupt any movement**
Do not open the dust cover or turn off the power under the following conditions:
 - During record playback
 - When the tone arm is moving automatically.
 - When the platter is turning

Problem ? Let's check

Check to see if the power cord is connected securely to the household's AC outlet
No Sound
The output cords are not connected properly. Connect them securely to the AKAI player's PHONO jacks.
Scratching noise Stylus jumps
Dirty stylus or record, clean both the stylus and record. Worn out stylus, replace the stylus.
Distorted Sound Howling
The turntable is too close to the speaker system, move it. The output cords are not connected properly, connect them securely.
Record play will not start, or prematurely ends
Irregular or colored record is used, play back the record manually.

Should a problem persist, write down the model and serial numbers and all pertinent data regarding warranty coverage as well as a clear description of the existing trouble. Then contact your nearest authorized Akai Service Station.

Specifications

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Motor	EG servo DC motor
Platter	300 mm aluminum diecast
Speed	33-1/3 & 45 rpm
Wow & flutter	0.05% (WRMS)
Rumble	38 dB (DIN)
Tone arm	Static balanced linear tracking type
Effective arm length	90 mm
Applicable cartridge weight	5.9 g
Cartridge	VM plug-in type
Weight	5.9 g
Output voltage	2.5 mV
Optimal stylus pressure	1.5 g
Channel balance	2 dB (1 kHz)
Channel separation	20 dB
Power requirements	120 V, 60 Hz for USA & Canada 220 V, 50 Hz for Europe except UK 240 V, 50 Hz for UK & Australia 110—120 V/220—240 V, 50/60 Hz convertible for other countries
Dimensions	385 (W) × 99 (H) × 330 (D) mm (15.2 × 3.9 × 12.6 inches)
Weight	3.85 kg (8.5 lbs)

Standard Accessories

45 rpm adaptor	1
Finger lever	1

* For improvement purposes, specifications and design are subject to change without notice.